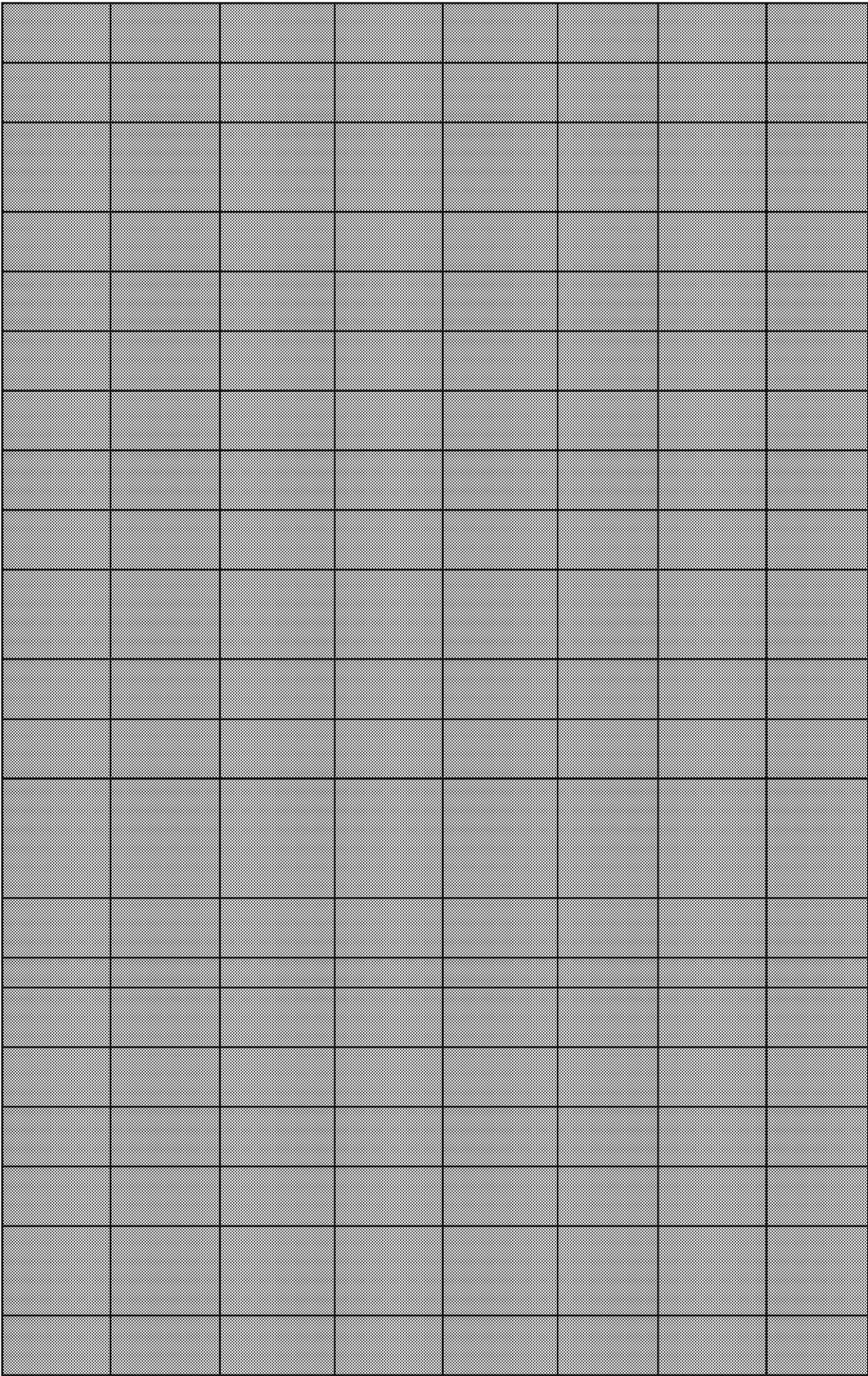


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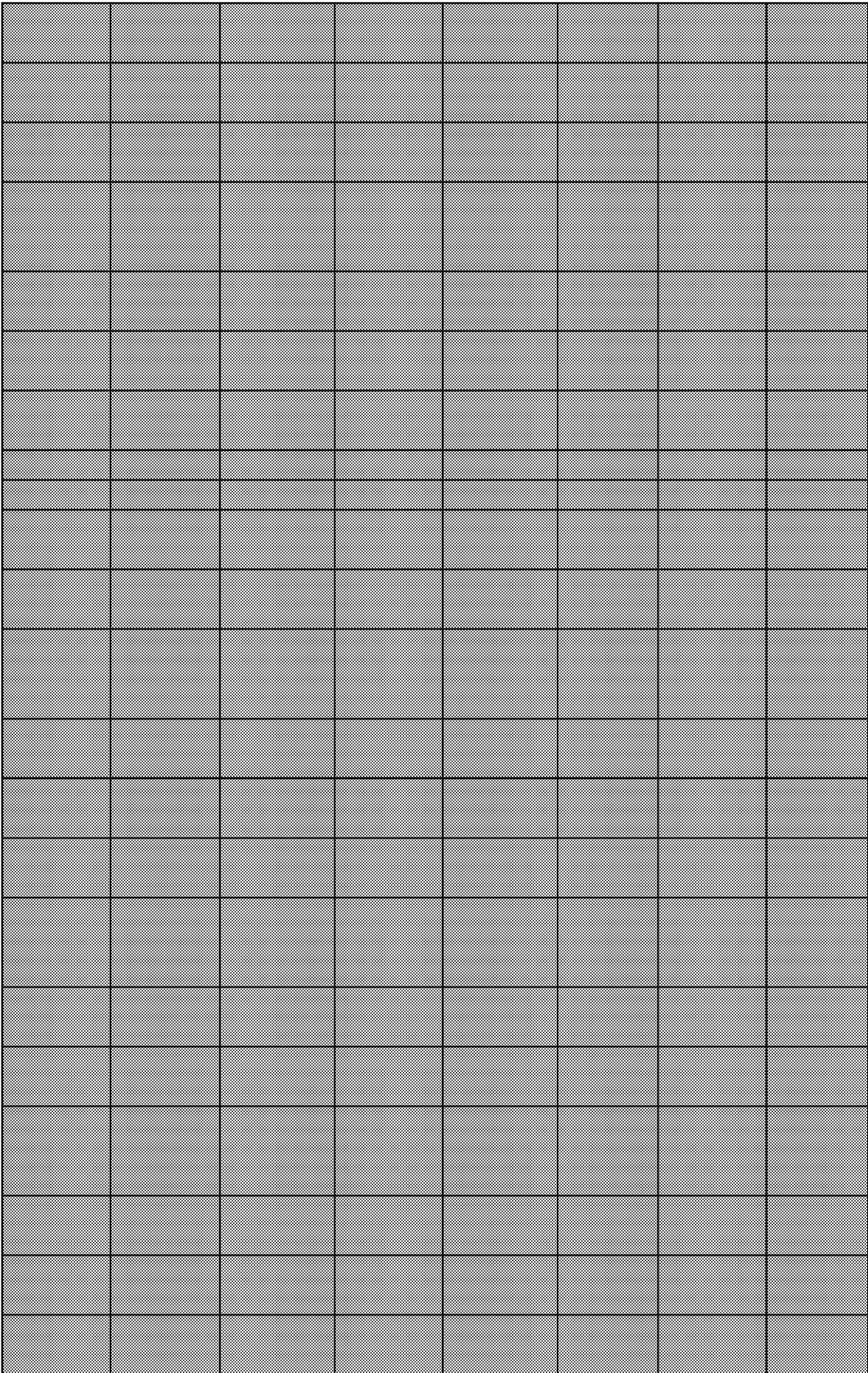


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Intercellular communication through gap junctions functions in electrical synapsing, homeostasis, hormonal response, er
Paraquat-resistant variants were isolated in Chinese hamster ovary (CHO) cells by stepwise increases in paraquat concen
1-methyl-4-phenylpyridine (MPP+) is the putative toxic metabolite of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MP
The potential protective effect of N-acetylcysteine against various types of oxidative stress (exposure to hyperoxia, treat
Exogenous GSH provided rat alveolar type II cells with significant protection against injury induced by paraquat. This prot
Paraquat (PQ) is a herbicide known to generate O ₂ radicals and to injure lung epithelial cells, leading eventually to pulmo
Effect of a herbicide, paraquat (1,1'-dimethyl-4,4'-bipyridilium-dichloride), the fungicide copper sulphate, and zinc chlorid
Paraquat, a quaternary ammonium bipyridyl herbicide, produces degenerative lesions in the lung after systemic adminis
A defect in DNA repair coupled to anomalous DNA synthesis after induction of certain radiogenic DNA damage is suspect
The protective effect of N-acetylcysteine against the toxicity of paracetamol, acrolein, and paraquat was investigated usi
Active oxygen species are thought to be involved in the causation of a number of diseases including cancers. We have inv
This paper reports an investigation on the effects of the bipyridylium herbicide, paraquat, on rat liver mitochondria in vit
The in vitro antioxidative activity of 5,6,7,8-tetrahydrobiopterin (BPH ₄) was measured and the ability of BPH ₄ to prevent
Crocetin is a major component in the fruit of <i>Gardenia jaminoides</i> Ellis, a Chinese herbal medicine. Its protective action a
Paraquat (methyl viologen, PQ) is a widely used herbicide that produces oxygen-derived free radicals and severely injure
The genotoxic potencies of waste water condensate from paraquat manufacturing and its pyridyl components on V79 cel
The biological effects of active oxygen species were examined in a mutant mouse cell line (SL3-147) that is deficient in th

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The HAP1 protein (also known as APE/Ref-1) is a bifunctional human nuclear enzyme required for repair of apurinic/apyr
Exposure to various forms of mild oxidative stress significantly increased the intracellular degradation of both "short-live
Positively charged hydrophobic pesticides of the dipyridyl family [diquat, paraquat, benzylviologen (BV++), etc.] were sho
1. The herbicide, paraquat, is accumulated by the energy-dependent polyamine uptake pathway of alveolar type II cells.
The cytotoxic effects of the herbicides paraquat (1,1'-dimethyl-4,4'-bipyridylium dichloride), dinoseb (2-sec-butyl-4,6-din
Transformed rat tracheal epithelial cells (U2) were found to be 3.6-fold more sensitive than lung fibroblasts (RLF) to para
Bluegill sunfish BF-2 fibroblasts were used in the neutral red (NR) cytotoxicity assay to discern the toxicities of hydrogen
There is an increased interest in development of therapeutic agents to treat disease states that involve reactive oxygen s
This report is an extension and complement of a previous study reporting the effect of three herbicides (paraquat, dinose
Primary lung fibroblasts were isolated from patients with idiopathic pulmonary fibrosis (HIPF), from normal human lung
A protective effect of N-acetylcysteine in oxidative lung damage was reported by a number of workers; however, the me
Fanconi anemia (FA) is an autosomal recessive disorder involving progressive pancytopenia, skeletal malformations, and
The drug-resistant leukemic cell lines, CEM/VLB100 and K/DAU600, are more sensitive to tumor necrosis factor alpha (TN
Exposure to various forms of oxidative stress (H ₂ O ₂ and O ₂ ⁻) significantly increased the intracellular degradation of both
The response of the glomerular mesangial cell to reactive oxygen species (ROS) has been implicated in the pathogenesis
The potency of carbohydrate sulfate (dextran sulfate, DS; glucose sulfate, GS), alkyldisulfonate (butane-disulfonate, BDS;
We tested the pathogenic role of O ₂ ⁻ radicals in excitotoxic injury. Inactivation of the TCA cycle enzyme, aconitase, was
The redox cycling contact herbicide paraquat (PQ) causes oxidative damage to pulmonary tissue. PQ is reduced enzymati
1. Sulphur mustard (HD) is a potent chemical warfare agent which causes incapacitating blisters on human skin. There is
Oxidative stress has been implicated in carcinogenesis yet there are chemicals that produce oxidative stress that are not
Paraquat manufacturers in Taiwan have been found to develop solar lentigo, actinic keratosis, as well as skin cancer in su
To investigate the role of dynamic changes in actin cytoskeleton in cellular response to oxidative stress, we have analyze
Oxygen-derived free radicals have been implicated in the pathogenesis of acute pancreatitis, yet adaptive responses in th

